IN THE CLAIMS

Please amend the claims as follows.

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1. (Currently Amended) An assembly comprising:

a display device provided with a pattern of pixels ~~(3)~~ driven by a control circuit ~~(8)~~, and

~~and~~ an illumination system for illuminating the display device,

said illumination system comprising a light-emitting panel ~~(11)~~ and at least one light source ~~(16, 16', 16'', ...)~~, said light source ~~(16, 16', 16'', ...)~~ being associated with the light-emitting panel ~~(11)~~, wherein:

B1

the light source comprises at least three sets of light-emitting diodes, ~~(16, 16', 16'', ...)~~ wherein each set of light-emitting diodes has a different light-emission wavelength, and

the control circuit ~~(8)~~ also drives ~~the~~ luminous fluxes of the light-emitting diodes ~~(16, 16', 16'', ...)~~ in dependence upon an image to be displayed by the display device.

2. (Currently Amended) An assembly as claimed in claim 1, wherein the control circuit ~~(8)~~ varies ~~the intensities~~ an intensity of ~~the~~ light emitted by each set of the light-emitting diodes ~~(16, 16', 16'', ...)~~ in response to ~~the~~ an illumination level of the image to be displayed by the display device.

3. (Currently Amended) An assembly as claimed in claim 1, wherein the intensity ~~ies~~ of the light emitted by each set of the light-emitting diodes ~~(16, 16', 16'', ...)~~ can be adjusted on a frame-to-frame basis.

4. (Currently Amended) An assembly as claimed in claim 1, wherein the intensity ~~ies~~ of the light emitted by each set of the light-emitting diodes ~~(16, 16', 16'', ...)~~ can be adjusted for each color on a frame-to-frame basis.

5. (Currently Amended) An assembly as claimed in claim 1, wherein the light source comprises at least four sets of light-emitting diodes, ~~(16, 16', 16'', ...)~~ wherein each set of light-emitting diodes has a different light-emission wavelength.

6. (Currently Amended) An ~~illumination system~~ assembly as claimed in claim 1, wherein each diode in each set of the light-emitting diodes ~~(16, 16', 16'', ...) comprises~~ has a luminous flux of at least five lumens (5 lm).

7. (Currently Amended) An ~~illumination system~~ assembly as claimed in claim 6, wherein each set of the light-emitting diodes ~~(16, 16', 16'', ...) are~~ is mounted on a printed circuit board.

8. (Currently Amended) A display device for use ~~in an assembly as claimed in claim 1~~ with an illumination system, the illumination system comprising a light-emitting panel and at least one light source, the light source being associated with the light-emitting panel and comprising at least three sets of light-emitting diodes, each set of light-emitting diodes having a different light-emission wavelength, the display device comprising:

a pattern of pixels; and

a control circuit operable to drive the pixels, the control circuit also operable to drive luminous fluxes of the light-emitting diodes in dependence upon an image to be displayed by the display device.

9. (Currently Amended) An illumination system for use ~~in an assembly as claimed in claim 1~~ with a display device, the display device provided with a pattern of pixels driven by a control circuit, the illumination system for illuminating the display device and comprising:

a light-emitting panel; and

at least one light source associated with the light-emitting panel;

wherein the light source comprises at least three sets of light-emitting diodes, each set of light-emitting diodes having a different light-emission wavelength; and

wherein the control circuit is operable to drive luminous fluxes of the light-emitting diodes in dependence upon an image to be displayed by the display device.

10. (Currently Amended) An assembly as claimed in claim 1, wherein a first set of light-emitting diodes ~~(16)~~ has a red light-emission wavelength, ~~and~~ a second set of light-emitting diodes ~~(16')~~ has a green light-emission wavelength, and a third set of light-emitting diodes ~~(16'')~~ has a blue light-emission wavelength.

11. (Currently Amended) An assembly as claimed in claim 2, wherein a first set of light-emitting diodes ~~(16)~~ has a red light-emission wavelength, ~~and~~ a second set of light-emitting diodes ~~(16')~~ has a green light-emission wavelength, and a third set of light-emitting diodes ~~(16'')~~ has a blue light-emission wavelength.

12. (Currently Amended) An assembly as claimed in claim 2, wherein the intensity ~~ies~~ of light emitted by each set of the light-emitting diodes ~~(16, 16', 16'', ...)~~ can be adjusted on a frame-to-frame basis.

13. (Currently Amended) An assembly as claimed in claim 2, wherein the intensity ~~ies~~ of light emitted by each set of the light-emitting diodes ~~(16, 16', 16'', ...)~~ can be adjusted for each color on a frame-to-frame basis.

14. (Currently Amended) An assembly as claimed in claim 5, wherein a first set of light-emitting diodes ~~(16)~~ has a red light-emission wavelength, ~~and~~ a second set of light-emitting diodes ~~(16')~~ has a green light-emission wavelength, ~~and~~ a third set of light-emitting diodes ~~(16'')~~ has a blue light-emission wavelength, and a fourth set of light-emitting diodes ~~(16''')~~ has an amber light-emission wavelength.

15. (Currently Amended) ~~An illumination system~~ assembly as claimed in claim 2, wherein each diode in each set of the light-emitting diodes ~~(16, 16', 16'', ...) comprises~~ has a luminous flux of at least five lumens (5 lm).

16. (Currently Amended) ~~An illumination system~~ assembly as claimed in claim 15, wherein each set of the light-emitting diodes ~~(16, 16', 16'', ...) are~~ is mounted on a printed circuit board.

17. (Currently Amended) A display device for use ~~in an assembly as claimed in claim 2~~ with an illumination system, the illumination system comprising a light-emitting panel and at least one light source, the light source being associated with the light-emitting panel and comprising at least three sets of light-emitting diodes, each set of light-emitting diodes having a different light-emission wavelength, the display device comprising:

a pattern of pixels; and

a control circuit operable to drive the pixels, the control circuit also operable to drive luminous fluxes of the light-emitting diodes in dependence upon an image to be displayed by the display device;

wherein the control circuit is operable to vary an intensity of light emitted by each set of the light-emitting diodes in response to an illumination level of the image to be displayed by the display device.

18. (Currently Amended) A display device as claimed in claim 17 wherein the light source comprises at least four sets of light-emitting diodes, ~~(16, 16', 16'', ...)~~ wherein each set of light-emitting diodes has a different light-emission wavelength.

19. (Currently Amended) An illumination system for use ~~in an assembly as claimed in claim 2~~ with a display device, the display device provided with a pattern of pixels driven by a control circuit, the illumination system for illuminating the display device and comprising:

a light-emitting panel; and

at least one light source associated with the light-emitting panel;

wherein the light source comprises at least three sets of light-emitting diodes, each set of light-emitting diodes having a different light-emission wavelength;

wherein the control circuit is operable to drive luminous fluxes of the light-emitting diodes in dependence upon an image to be displayed by the display device; and

wherein the control circuit is further operable to vary an intensity of light emitted by each set of the light-emitting diodes in response to an illumination level of the image to be displayed by the display device.

20. (Currently Amended) An illumination system ~~display device~~ as claimed in claim 19 wherein the light source comprises at least four sets of light-emitting diodes, ~~(16, 16', 16'', ...)~~ wherein each set of light-emitting diodes has a different light-emission wavelength.